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- 添付公開書類:
— 国際調査報告書
- 2文字コード及び他の略語については、定期発行される各PCTガゼットの巻頭に掲載されている「コードと略語のガイダンスノート」を参照。

(54) Title: PROCESS FOR PRODUCTION OF HIGH-PURITY CRYSTALS OF GLYCOLIC ACID

(54) 発明の名称: 高純度のグリコール酸結晶の製造方法

(57) Abstract: A process for production of high-purity crystals of glycolic acid, characterized by comprising the step (1) of forming an aqueous solution (A) of glycolic acid satisfying the following requirements (a), (b) and (c): (a) the water content is 5 to 20 % by mass, (b) the mass ratio of glycolic acid in terms of monomer [(the mass of monomeric glycolic acid contained in the solution (A) + the mass of glycolic acid monomer constituting the glycolic acid condensates contained in the solution (A))/the mass of the solution (A)] is 0.60 to 1.00, and (c) the monomeric glycolic acid content is 20 to 57 % by mass, the step (2) of precipitating crystals of glycolic acid from the solution (A), and the step (3) of separating the crystals from the solution (A).

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/00858

A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ C07C51/43, 59/06

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WPI (DIALOG)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| Y | WO 92/5138 A1 (E.I. DU PONT DE NEMOURS AND CO.), 02 April, 1992 (02.04.92), Claims; examples & EP 552255 A1 & JP 6-501268 A | 1-5 |
| Y | JP 9-2998 A (Mitsui Toatsu Chemicals, Inc.), 07 January, 1997 (07.01.97), Par. No. [0023] (Family: none) | 1-5 |
| Y | JP 62-77349 A (Denki Kagaku Kogyo Kabushiki Kaisha), 09 April, 1987 (09.04.87), Claims; examples (Family: none) | 1-5 |

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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| * Special categories of cited documents: | "I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention |
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| "P" document published prior to the international filing date but later than the priority date claimed | |

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
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| A | JP 5-92102 A (Idemitsu Petrochemical Co., Ltd.), 16 April, 1993 (16.04.93), Claims (Family: none) | 1-5 |
| A | JP 8-268955 A (Hoechst AG.), 15 October, 1996 (15.10.96), Claims; Par. No. [0003] & EP 733616 A1 | 1-5 |